

Some problems in calculating...

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values of static primary errors should not be used in dynamic accuracy calculations. The static accuracy of computers for determining the polar from rectangular coordinates is examined. 2 figures. 1 table. [Abstractor's note: Complete translation.]

Card 2/2

KOVANSKIY, K.Ye., inzh.; GOLINKIN, S.L., WOLYNSKIY, M.M.

Special features in the construction of a thrust bearing
with swaying mounts and experience in its operation.

Toploenergetika 11 no.5:47-62 My'64. (MIRA 17:6)

1. Glavnoye upravleniye po mekhanizatsii stroitel'stva
Gosudarstvennogo proizvodstvennogo komiteta po energetike i
elektrifikatsii SSSR.

BOGDANSKI, Kazimierz; GOLINOWSKI, Wladyslaw, BOGACINSKI, Boguslaw; PAJCH,
Wiktor, Janusz; NIEWIADOMSKA, Katarzyna; LINOWSKI, Jozef, STESLICKA,
Wanda

Scientific papers abstracted. Kosmos biol 13 no.5:533-549 '64.

6 of 2001-01-01

Effects of inoculation of non-legumes with Azotobacter on crop yields. I. Golinska (Roczn. Nauk Rol., 1934, 83, 4, 614-626). Inoculation of soil with Azotobacter improved the early growth of tomato, cabbage varieties, and celery, but the final yields were unaffected. A. G. POLLARD.

SECRET

1. The following information was obtained from a source who has provided reliable information in the past.

CHEMIE

1. The following information was obtained from a source who has provided reliable information in the past.

2. The following information was obtained from a source who has provided reliable information in the past.

GOLINSKAYA, Ye.L. [Holyns'ka, I.E.L.]

Effect of hybridization on the productivity of sakhorka. Nauk. zap.
Kyiv. un. 16 no.20:121-125 '57 (MLA 13:3)
(Tobacco breeding)

1. GOLINSKAYA, Ye.L. [Golynskaya, Ye.L.]

Physiological and biochemical characteristics of the digestive
apparatus of corn. Vopr. Ryb. Sel. 1964, 10, 1.
66-68, 198.

(CONTINUING)

GOLINSKAYA, Ye.L. [Holyns'ka, Ye.L.]; SIETSENKO, H.M.

Physiological and biochemical characteristics of parental and
hybrid forms of corn. Visnyk Kyiv.un., no. 3. Ser. Biol. n. 3.
36-43 '62. (NIA 1037)

(HYBRID CORN)

GOLINSKI, Jan; JANOWSKI, Janusz; LESNIAK, Edzislav K.; SALWICKI, Andrzej; WINKOWSKI, Jozef

Digital computer program for structural analysis of a statically indeterminate bridge. Archiw inż lad 9 no. 4: 419-445 '63.

1. Instytut Maszyn Matematycznych, Polska Akademia Nauk, Warszawa (for Golinski, Janowski, Salwicki, Winkowski).
2. Centralny Ośrodek Badania i Rozwoju Techniki Kolejnictwa, Warszawa (for Lesniak).

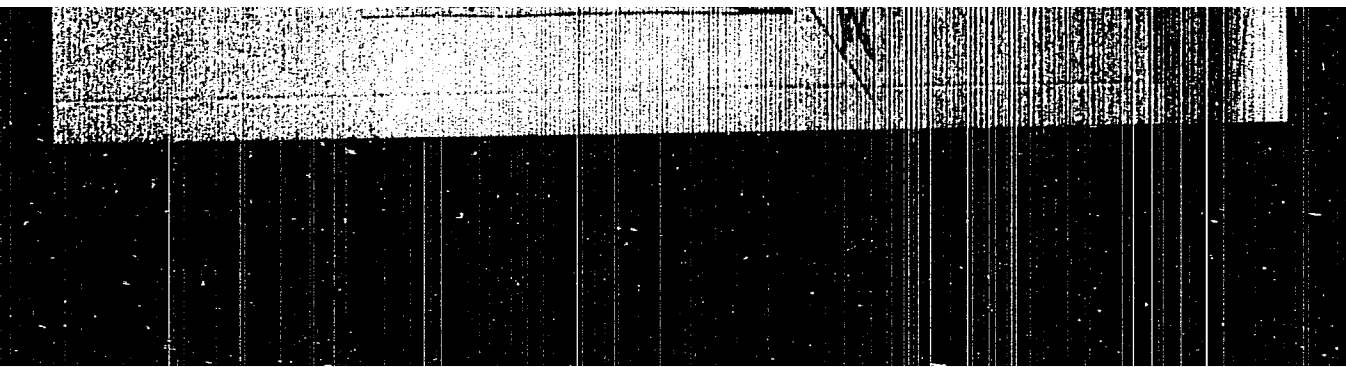
Holinski

625314222:62131732.01933
✓ 4089. The measurement of [discharge] (accepted
voltage) and surge distribution in [transformers]
1. G. K. [?], *Practical electronics*, 21, No. 2, 1
1956-67 (1959) in Polish.

Methods of measuring the magnitude of internal
discharges and their accepted voltage are discussed.
They are applied to 110kV voltage transformers.
The difficulty is explained of assessing the absolute
magnitude of discharges for composite insulation in
particular. The surge voltage distribution in multi-
layer windings of 1-, 2- and 4-wind parallel transformer
is shown on oscillograms and graphs. The marked
influence of capacitance at the input to the cable
leads on the results is indicated. Owing to non-

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CIA-RDP86-00513R000515720017-3"

GOLINSKI, J.

621.313.015.63 : 621.314.015.63
✓ 1130. IONIZATION IN TRANSFORMERS AND ELECTRICAL
MACHINES. J. Golinski, W. Lesh and S. Zolotarevski.
Rozprawy Elektrotech., Vol. 3, No. 3, 403-44 (1962). In Polish,
with summaries (1 p.) in Russian and (1 p.) in English.
A comprehensive review of ionization phenomena in homogeneous
gaseous, solid and fluid dielectrics is presented. Methods of
measurement by means of a revolving camera, phototubes and by
recording on photographic paper are given. Detection methods for
internal ionization in insulation are discussed. Results of the
authors' own work are included. A bibliography of 134 items is
given.

ODERFELD, Jan, prof.,dr. (Warszawa); Bogumil, T., mgr.,inz.; GOLINSKI,
J., mgr.,inz.; MORECKI, A., doc.,dr.

Empirical determination of the kinetic coefficient of friction.
Archiw bud masz 8 no.4:469-472 '61.

1. Zespół Katedry Teorii Maszyn i Mechanizmów Politechniki Warszawskiej

GOLESKI, Jacek, Mgr.ins.

220 kV measuring transformers. Inst Elektrotech 7 no.26:23-40
' 1.

1. Zoklad wysokich napięć, Warszawa.

07/21/72-00000000/00000000
0000, 0001

AUTHOR: Verbitskiy, Dmitry Ivanovich, Doctor of Sci.

TITLE: Resonance oscillations in a capacitive voltage divider

SYNOPSIS: Sovetskoye elektrotekhnicheskoye, no. 5, 1972, 99-100

TEXT: The conditions for the occurrence of ferroresonance in a capacitive voltage transformer and the influence of the transformer circuit on the occurrence of harmonics are illustrated by means of vector diagrams for the cases of parallel and series ferroresonance. The problem of damping of ferroresonance oscillations is discussed in connection with the existing foreign standards. The paper of author's investigations carried out at the Institute of Electrodynamics and Acoustics in this paper involved the study of the possibilities of occurrence of ferroresonance in cases other than those covered by the Swedish standard SFS-19527-29, finding the appropriate methods of oscillation damping, and laboratory tests on an unbalanced capacitive voltage transformer during normal working conditions. The method of oscillation damping based on connecting

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resonance phenomenon in ...

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the resistance during imbalance and that based on the use of a constant resistive load are described and illustrated by diagrams. Conclusions are drawn that for high capacitance of the condenser potential divider during the unbalanced load causing the core saturation, ferro-resonance is most likely to occur. Damping is best accomplished by additional loading of the transformer coil. The Swedish standards requirements SLSB proved to provide a simple and effective test procedure. There are 12 figures and 16 references: 5 Soviet-bloc and 11 non-Soviet-bloc. The most recent references to the English-language publications read as follows: T.T. Karamatsi and L. Lyda, Power Apparatus and Systems, 1968, June, Pt. 48, p. 254; F.L. Hamilton, The Regent Review, 1968, Pt. 172; G. Gray, Proc. IRE, Pt. 11, 1965, p. 577; N. Kanda, IEEE J., 1964, Pt. 7-5a.

ASSOCIATION: Institut elektrotechniki (Institute of Electrotechnics);
Zaklad' vysokogo napryazheniya i vysokogo kapazitnogo (Manufacturing
Plant of High Voltage Devices)

Card 2/2

GOLINSKI, Jacek, MAKOWSKI, Stanislaw

Capacitor voltage transformers. Przegl elektrotechn 38 no.2:
46-50 '62.

1. Instytut Elektrotechniki, Warsaw (for Golinski). 2. Zaklady
Wytworcze Aparatów Wysokiego Napięcia (for Makowski)

GOLINSKI, Jacek; MAKOWSKI, Zbigniew

Resonance phenomena in capacity voltage transformers. Przegl
elektrotechn 38 no.3:99-104 Mr '62.

1. Instytut Elektryrotechniki, Warszawa (for Golinski) 2. Zakłady
Wytworcze Aparatów Wysokiego Napięcia, Warszawa (for Makowski).

GOLINSKI, Jozef Antoni (Wroclaw)

Analysis of transient resonance of a one-mass vibrating system
and its application to the theory of vibration isolation of
rotating machinery. Inst masz przep PAN no.13:81-198 '63.

GOLINSKI, Jan, mgr inż.; LESNIAK, Zdzisław, dr inż.; WINOŃSKI, Józef, mgr

Use of digital computers in static calculations. Inż i Bud 20
no.2:69-72 F '63.

DUDEK, W.; GOLINSKI, J.; LASHOWSKI, J.

Impulse strength tests of transformer insulation. Przegł
elektrotechn 39 no.7:261-265 J1 '63.

1. Zakład Wysokich Napięć, Instytut Elektrotechniki, Warszawa.

GOLINSKI, Jan; dr. inż.

Optimal synthesis of machines by Monte Carlo method. (1983)
mech 23 no.4:222-25 1 ref.

1. Department of Theory of Machines and Mechanisms, Technical
University, Warsaw

ACC NRI AP6032358

(N)

SOURCE CODE: PO/0035/66/000/014/0423/0428

AUTHOR: Dietrich, Marek (Doctor, Engineer, Adjunct professor); Golinski, Jan (Doctor, Engineer, Adjunct professor)

ORG: none

TITLE: Design of gear drives. New method optimizing the design for use with digital computers

SOURCE: Przegląd mechaniczny, no. 14, 1966, 423-426

TOPIC TAGS: digital computer, transmission gear

ABSTRACT: The paper discusses a new method of designing gear drives in which the problem of design is formulated in a novel manner and solved by a random search of the region of allowed solutions, using random numbers of uniform distribution. The new method can be applied only when digital machines are employed. The article also gives a practical computational example for a gear drive executed in accordance with the adopted diagram and illustrating the proposed method of optimum synthesis of gear drives. Orig. art. has: 1 figure and 9 formulas.

SUB CODE: 09,13/ SUBM DATE: none/ ORIG REF: 004/ SOV REF: 001

Card 1/1

POLINSKI, Jozef A., dr., inż., adiunkt

Computation of vibration absorbers with many degrees of freedom.
Inżynieria sanitarna no.45:55-82 '61.

1.Katadra Ogrzewania i Wentylacji Politechniki Wrocławskiej.

GOLINSKI, Jozef A., dr inż., adiunkt

Analysis of transient resonance of a one mass vibrating system
and its application to the theory of vibration isolation of
rotating machines. Pt. 2. Inż sanit Wrocław 411-89 '63.

1. Katedra Ogryzewania i Wentylacji, Politechnika, Wrocław.

GOLINSKI, Jozef Antoni (Wroclaw)

Analysis of Geiger torsigraph records in cases of untypical use of the instrument. Inst masz przep PAN no.10:79-167 '62.

GOLINSKI, Juliusz

The associations of the industrial branches have been
necessary. Przegl drobn wytwor 12 no.7:10-12 Ap '62.

CETNAROWICZ, Jan; GOLINSKI, Kazimierz;; WIEJOWSKI, Michal; URASINSKI,
Ignaci; Krakow.

Pneumopericardium as a complication of perforation of a peptic
ulcer of the stomach. Przegl.lek., Krakow 11 no.6: 166-169 1955.

1. Z II Kliniki Chorob Wewn. A.M. w Krakowie. Kierownik: prof.
dr. T. Tompka i z Zakladu Anatomii Patologicznej A.M. w Krakowie
Kierownik: prof. dr. J. Kowalczykowa.

(PEPTIC ULCER, perforation
causing pneumopericardium)
(PNEUMOPERICARDIUM, complications
peptic ulcer perf.)

GOLINSKI, Kazimierz; HANICKI, Zygmunt

Problem of the group diseases: eosinophilic granuloma, Hand-Schuller-Christian disease, Letterer-Siwe disease. Polskie arch. med. wewn. 25 no.6a:1265-1273 1955.

1. Z II Kliniki Chorob Wewnętrznych A. M. w Krakowie Kierownik: prof. dr. nauk med. T. Tempka Krakow, Wyspińskiego 11/3.

(EOSINOPHILIC GRANULOMA

relation to Hand-Schuller-Christian synd. & Letterer-Siwe dis. (Pol))

(LIPOIDOSIS

Hand-Schuller-Christian synd., relation to eosinophilic granuloma & Letterer-Siwe dis. (Pol))

(RETICULOENDOTHELIOSIS

Letterer-Siwe dis., relation to eosinophilic granuloma & Hand-Schuller-Christian synd. (Pol))

FENCZYN, Jan; GOLINSKI, Kazimierz

Procaine in radiological diagnosis of diseases of the stomach and duodenum. Postępy radiol. 2:60-69 1956.

1. Z oddziału gastrologicznego i pracowni radiologicznej II Kliniki Chorob Wewnętrznych A.M. w Krakowie Kierownik: prof. dr. T. Tempka.

(DUODENUM, radiography,
procaine in (Pol))

(STOMACH, radiography,
procaine in (Pol))

(PROCAINE,
in stomach & duodenum x-ray (Pol))

EXCERPTA MEDICA Sec.14 Vol.11/9 Radiology Sept 57.

1651. GOLINSKI K. Pracowni Radiol. II Klin. Chor. Wewnętr. A.M., Kraków.
*Woda mineralna Zuber III jako środek do badania motoryki woreczka
żółciowego. Mineral water zuber III used as a means to
examine the motor function of the gallbladder PRZEGL. LEC
1957, 13/1 (22-23) Tables 1

On the ground of roentgen examinations it is emphasized that the use of zuber III
does not in general influence the motor-function of the gallbladder.

Mikułowski - Cracow (XIV, 6*)

CETNAROWICZ, Jan; HANICKI, Zygmunt; KIPCHMAYKA, Stanislaw; KOSTKOWSKI, Andrzej;
MRUK, Jozef; WIEJOWSKI, Michal. (czesc kliniczna). GOLIBSKI, Kazi-
mierz, (czesc radiologiczna).

Clinical aspects of diseases of the osteo-hemopoietic system according
to data of the Second Internal Clinic of the Academy of Medicine in
Krakow. Polskie arch. med. wewn. 29 no.2:224-240 1959.

1. Z II Kliniki Chorob Wewnętrznych A. M. w Krakowie Kierownik prof.
dr med. T. Tempka. Adres: Krakow, ul. Kopernika 15. II Klinika Chor.
Wewn. A.M.

(BLOOD DISEASES, statist.
hosp. statist. (Pol))

L 22500-66 ENP(t) IJP(c) JD/WW/JG

ACC NR: AP6011470

SOURCE CODE: PO/CO46/65/010/011/0705/0714

AUTHOR: Golinski, Marek--Golin'ski, M.; Korpak, Wincenty--Korpak, V. 42
13

ORG: Department of Technological Chemistry, Institute of Nuclear Research, Warsaw
(Zaklad Technologii Chemicznej Instytut Badan Jadrowych)

TITLE: Solvent extraction of molybdenum¹¹ and uranium²⁷ from sulfate solutions with
tri-n-octylamine

SOURCE: Nukleonika, v. 10, no. 11, 1965, 705-714

TOPIC TAGS: solvent extraction, molybdenum, uranium, sulfate

ABSTRACT: Extraction of Mo and U from sulfate solutions with tri-n-octylamine was investigated. It was demonstrated that the extraction coefficient of Mo (D_W^O) decreased when the U and Fe concentrations were increased. When the pH of the solution was increased D_W^O also increased. The influence of the Mo concentration and pH value on the extraction coefficient of U (E_W^O) was determined. Mo in the aqueous phase decreased the E_W^O value. In the presence of Mo, the changing of pH had no influence on the value of E_W^O . The authors thank Mr. B. Jurzyk for carrying-out the analytic part of the work. Orig. art. has: 6 figures and 4 tables. /NA/

SUB CODE: 07 / SUBM DATE: 12Jun65 / ORIG REF: 004 / CTH REF: 004

Card 1/1 PK

CHIRCHIK, L.A.; SMIRNOV, A.V., eds.

[About the mechanics of cold-water trowers and medium-size refrigerator trowers] Voprosy fiziki tverdogo tela. Kaliningrad, Isdatel'stvo Kaliningradskogo univ., 1984. 100 p.

(NDA 1984)

SOV124-57-5-5507

Translation from: Referativnyy zhurnal. Mekhanika, 1957, Nr 5, p 56 (USSR)

AUTHOR: Golinskiy, B. L.

TITLE: Concerning an Ideal Fluid Flow Past a System of Arcs That Can Be Approximated by Straight-line Segments and the Corresponding Keldysh-Sedov Boundary Problems (K voprosu ob obtekanii sistemy dug blizkoy k otrezkom pryamoy v ideal'nom potoke i o sootvetstvuyushchikh krayevykh zadachakh tipa Keldysha-Sedova)

PERIODICAL: Tr. Khar'kovsk. aviats. in-ta, 1955, Nr 16, pp 109-122

ABSTRACT: The author examines a fluid flow past a system of arcs E' that differs but little from a system of straight-line segments E . Situated on that same straight line is a system of segments C which are endowed with vortices having a density $\gamma(u)$. The integral equation for the problem is solved by the methods developed by N. I. Akhiezer (Izv. AN SSSR, 1945, Vol 9, pp 275-290). In this way the Wagner equation for the unsteady motion of a wing (Z. angew. Math. und Mech., 1924, Vol 5, Nr 17) is evolved anew, and with it the expressions for the flow past an S. A. Chaplygin slotted wing and past a cascade formed by the segments of a single straight line [Sedov, L. L., Ploskiye zadachi

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SOV/124-57-5-5507

Concerning an Ideal Fluid Flow Past a System of Arcs (cont.)

gidrodinamiki i aerodinamiki (Planar Problems in Hydrodynamics and Aerodynamics). Gostekhizdat, Moscow-Leningrad, 1950]. In addition, an expression is evolved for the flow past a system of arcs that are ~~virtually coincident with the x~~ axis, which is situated between two solid parallel walls, one on each side thereof and both equally distant therefrom. Bibliography: 5 references.

M. I. Gurevich

Card 2/2

SOV/124-59-1-183

Translation from: Referativnyy zhurnal. Mekhanika, 1959, Nr 1, pp 23-24 (USSR)

AUTHOR: Golinskiy, B.L.

TITLE: Flow Past a Circle-shaped System of Thin Arcs by a Stationary Flow of an Ideal Incompressible Fluid

PERIODICAL: Tr. Khar'kovsk. aviats. in-ta, 1957, Nr 17, pp 199-208

ABSTRACT: Formulae for the lifting power and moment in the case of flow past a system of arcs, that differ little from the arcs of one circle, are derived for an unbounded flow and for a flow restricted by a horizontal wall, in which the center of the circle-shaped arcs is lying. For the derivation of the indicated formulae are applied the thin wing method and the formulae for the inversion of singular integrals, found by N.I. Akhiezer (Izv. AS USSR, 1945, Vol 9, Nr 4, pp 275-290).
Bibl. 4 titles.

(From Résumé) ✓

Card 1/1

AUTHOR: Golinskiy, B.L. (Kharkov) SC7/240 -58-1-4/21

TITLE: An Analogue to the Formula of Christoffel for Polynomials Which are Orthogonal on the Unit Circle, and Some Applications
(Analog formuly Kristoffelya dlya mnogochlenov, ortogonal'nykh na yedinichnoy okruzhnosti, i nekotoryye yeye prilozheniya)

PERIODICAL: Izvestiya vysshikh uchebnykh zavedeniy Ministerstva vysshego obrazovaniya SSSR, Matematika, 1958, Nr 1, pp 31 - 42 (USSR)

ABSTRACT: Christoffel set up a formula which allows to determine the orthogonal polynomials corresponding to the distribution $d\sigma(x) = P_n(x)d\sigma_0(x)$, where $P_n(x)$ is a polynomial positive on $[a, b]$, if the polynomials orthogonal on $[a, b]$ corresponding to the distribution $d\sigma_0(x)$ are known. The author gives a generalization of this formula for the case where the orthogonality is not demanded on $[a, b]$ but on the unit circle. Here the classical method of Christoffel and later on of Bernshteyn [Ref 1] turns out to be not applicable. The author obtains the generalized formula by consideration of the conditional extremum problem

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An Analogue to the Formula of Christoffel for Polynomials Which are Orthogonal on the Unit Circle, and Some Applications

SOV/140-58-1-4/21

$$\min \frac{1}{2\pi} \int_0^{2\pi} |G_m(z)|^2 d\sigma(\theta) = g_m(z_0), \quad z = e^{i\theta},$$

where $G_m(z)$ is a polynomial of degree m in z .

Then the author gives some applications of the obtained formula.

There are 7 references, 5 of which are Soviet, 1 English, and 1 Hungarian.

ASSOCIATION: Khar'kovskiy aviatsionnyy institut (Kharkov Aviation Institute)

SUBMITTED: October 11, 1957

Card 2/2

SOV/140.56-2-4/20

AUTHOR: Golinskiy, B.L.

TITLE: On Some Boundary Relations in the Theory of Orthogonal Polynomials
(O nekotorykh predel'nykh sootnosheniyakh v teorii ortogonal'nykh mnogochlenov)

PERIODICAL: Izvestiya vysshikh uchebnykh zavedeniy Ministerstva vysshego obrazovaniya SSSR, Matematika, 1958, Nr. 2, pp 29-38 (USSR)

ABSTRACT: Theorem: Let $\sigma(\theta)$ be absolutely continuous on $[\alpha, \beta]$; here let $p(\theta) = \sigma'(\theta)$ be continuous and $p(\theta) \geq \epsilon > 0$. $\int_{-\pi}^{\pi} \ln p(\theta) d\theta > -\infty$

Then

$$\lim_{n \rightarrow \infty} \frac{n+1}{K_n(e^{i\theta_0}, e^{i\theta_0})} = p(\theta_0), \quad K_n(z_0, z_0) = \sum_{v=0}^n |\varphi_v(z_0)|^2$$

where $\{\varphi_v(z)\}_{v=0}^{\infty}$ is a normed orthogonal system of polynomials corresponding to $d\sigma(\theta)$ (see e.g. Geronimus [Ref 1]). The author formulates two further similar theorems being in a direct connection with the investigations of Geronimus [Ref 1] and overlapping somewhat with the results of Grenander and Rosenblatt [Ref 8].

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On Some Boundary Relations in the Theory of Orthogonal Polynomials SBT/240-58-2-4/20

There are 7 references, 5 of which are Soviet, 1 Polish, and 1 American.

ASSOCIATION: Khar'kovskiy aviatsionnyy institut (Khar'kov Aviation Institute)

SUBMITTED: October 11, 1957

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16(1)

AUTHOR: Golinskiy, K.L.

307/40-59-3-5/22

TITLE: On Some Local Properties of Functions of the Class L^p

PERIODICAL: Izvestiya vysshikh uchebnykh zavedeniy, Matematika, 1959, Nr 3, pp 43-50 (USSR)

ABSTRACT

Let $f(x) \in L^p(a, b)$, $p \geq 1$, and $\omega_2^{(p)}(f, \delta) \in L^p(a, b)$, where $[a, b] \subset \mathbb{R}$. In the k -th order of continuity of $f(x)$. Further let $\omega_2^{(p)}(f, \delta) = \min_{T_n} \|f - T_n\|_{L^p(a, b)}$, where the minimum is taken over all trigonometric polynomials of order n with order k . Theorem: If

$$\sum_{n=1}^{\infty} \frac{1}{n^p} \omega_2^{(p)}(f, \frac{1}{n}) < \infty$$

then $f(x)$ is equivalent to a function $g(x) \in L^p(a, b)$, $[a, b] \subset \mathbb{R}$ which can be approximated by trigonometric polynomials $T_n(x)$, where

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On Some Local Properties of Functions of the
Class L^p

SCV/140-59-3-5/22

$$\|f_0(x) - T_n(x)\|_{q, (a'', b'')} \leq K_1 \sum_{v=\lfloor \frac{n}{4} \rfloor}^{\infty} y^{-(\frac{1}{q} - \frac{1}{p} + 1)} \omega_k^{(q)}(\frac{1}{y}, f; a, b'),$$

$$n \geq N_0, \quad K_1 = K_1(a, a', b', b; \|f\|_{p, (a, b)}).$$

Theorem. Under the assumptions of the preceding theorem $f(x)$ is equivalent to a function $f_0(x) \in L^q(a'', b'')$ with the modul of

$$\text{continuity } \omega_k^{(q)}(f_0, \delta; a_1, b_1) = O \left\{ \delta^{\frac{1}{q}} \int_0^{\frac{1}{\delta}} x^{k-1} b_k^{(p)}(x, f) dx \right\}, \text{ where}$$

$$b_k^{(p)}(x, f) = \int_x^{\infty} y^{-(\frac{1}{q} - \frac{1}{p} + 1)} \omega_k^{(p)}(\frac{1}{y}, f; a, b') dy$$

$$\text{and } (a_1, b_1) \subset (a'', b'') \subset (a, b') \subset (a, b), \quad \delta \leq \eta.$$

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On Some Local Properties of Functions of the
Class L^p

307/40-59-3-5/22

Theorem: Let $f(x) \in L^p(a, b)$ and $f(x) \in \text{Lip}(\alpha, p; a', b')$, $0 < \alpha < 1$,
 $p \geq 1$. If $\alpha p < \alpha_1$ and $p < q < \frac{p}{1-\alpha p}$, then $f(x) \in \text{Lip}(\alpha_1 - \frac{1}{q}, \frac{1}{p}, q; a_1, b_1)$.

If $\alpha p \geq 1$, then $f(x)$ is equivalent to the continuous function
 $f_0(x) \in \text{Lip}(\alpha - \frac{1}{p}; a_1, b_1)$; $(a_1, b_1) \subset (a', b')$.

Theorem: From $f(x) \in L^p(a, b)$, $p \geq 1$, and $f(x) \in \text{Lip}(\frac{1}{p}, p; a', b') \in$
 $L_p(a', b')$; $(a', b') \subset (a, b)$, there follows $f(x) \in L_q(a, b)$,
 $p < q < \infty$; $(a_1, b_1) \subset (a', b')$.

Theorem: Let $f(x) \in L(0, \infty)$; for every $(a, b) \subset (0, \infty)$ let
 $f(x) \in L^p(a, b)$, $1 < p \leq 2$. If

$$\sum \frac{1}{j} \left[E_j^{(p)}(f; a, b) \right]^p < \infty,$$

then the Fourier series of $f(x)$ converges almost everywhere
on (a, b) .

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on Some Local Properties of Functions of the
Class LP

SOV/146-53-1-5/12

For $p = 2$ the last theorem was proved by N.K.Bari [Ref 4].
There are 11 references, 6 of which are Soviet, 1 English, 1
German, and 1 Polish.

ASSOCIATION: Khar'kovskiy aviatsionnyy institut (Khar'kov Aviation Institute)

SUBMITTED: April 29, 1958

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22(1)

NOV/27-59-4-22/28

AUTHORS: Bruk, F., Instructor, and Golinskiy, E., Candidate of Physico-mathematical Sciences

TITLE: Bibliography. A Valuable Aid

PERIODICAL: Professional'no-tekhnicheskoye obrazovaniye, 1959, Nr 4, p 31 (1959)

ABSTRACT: The authors review a book on problems in the fundamentals of engineering mechanics compiled by I.Ya. Shtayerman and A.I. Gal'perin, published by Trudreservizdat in 1958. They also refer to other textbooks published in recent years and composed by Levinson, Mitinskiy and Movnin, Bychkov and Mirov.

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16(1)

AUTHOR:

Golinskiy, B.L. (Khar'kov)

UDC/39-47-2-6/6

TITLE:

On the Question Concerning the Summability of the Fourier-Chebyshev Series According to the Method of Feyer (K voprosu o summirovani ryadov Fur'ye-Chebysheva po metodu Feyera)

PERIODICAL:

Matematicheskii sbornik, 1959, Vol 47, Nr 2, pp 255-264 (USSR)

ABSTRACT:

Let $f(\varphi)$ be a 2π -periodic real function of the class $L^r(0, 2\pi; p)$, i.e.

$$\int_0^{2\pi} |f(\varphi)|^r p(\varphi) d\varphi < \infty, \quad r \geq 1$$

where $p(\varphi)$ is a 2π -periodic summable function. Let $S_n(f; \varphi)$ be the section of the Fourier-Chebyshev series of $f(\varphi)$ and

$$\varphi_n^{(k)}(\varphi) = \left\{ \frac{1}{n+1} \sum_{\nu=0}^n |S_\nu(f; \varphi) - f(\varphi)|^k \right\}^{1/k}.$$

Theorem: If it is

$$I(\varphi) \geq m > 0$$

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almost everywhere on $[a-1, b+1]$, $\epsilon > 0$,

then it is

$$S_n^{(k)}(\theta) = O(1) \quad \text{for } k = 1, 2 \text{ almost every-}$$

where on $[a, b]$.

There are 7 references, 1 of which are Soviet, 1 Hungarian, and 1 German.

SUBMITTED: July 8, 1957

Card 2/2

USCOMM-DC-60940

GOLINSKIY, B.L.

One of the theorems of G.Hardy and J. Littlewood. Izv.vys.ucheb.
zav.; mat. no.1:94-102 '60. (MIRA 13:6)

1. Khar'kovskiy aviatsionnyy institut.
(Functions of real variables)

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16.4100.

S/039/60/051/004/003/007XX

16.4200

C 111/ C 333

AUTHOR: Golinskiy, B. L. (Khar'kov)

TITLE: On local approximation of two conjugate functions
by trigonometric polynomials

PERIODICAL: Matematicheskiy sbornik, v. 51, no. 4, 1960, 401-426

TEXT: Let $f(x)$ be 2π -periodic.

$$f(x) \in L(0, 2\pi); \quad (0.1)$$

$L^\infty(a, b) \subset C(a, b)$; let

$$f(x) \in L^p(a, b) \quad (0.3)$$

mean that besides (0.1) there is still satisfied

$$f(x) \in L^p(a, b), \quad 1 \leq p \leq \infty \quad (0.2)$$

Let $[a, b] \subset (0, 2\pi)$. Let usually $\|f\|_{(a, b)} =$
 $\|f\|_{L^p(a, b)}$ for $1 \leq p < \infty$ and $\|f\|_{C(a, b)}$ for $p = \infty$.

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On local approximation of two

Let $\omega_{k,p}(\delta) = \omega_{k,p}(f, \delta; a', b') = \sup_{0 < |h| \leq \delta} \|\Delta_k(f, h)\|_{p, (a', b')}$

where

$$\Delta_k(f, h) = \sum_{i=0}^k (-1)^{k-i} \binom{k}{i} f(x+ih), \quad 0 < \delta \leq \frac{\delta_0}{k}, \quad \delta_0 = \min(a'-a, b-b') \quad (0.5)$$

Let $\omega_{k,p}(\delta) \in \omega_p(\delta)$. Let $f(x) \in Z_{q,p}^{p, (a,b)}$, $1 \leq p \leq \infty$ mean that

$f(x) \in L^p(a,b)$ and that

$$\int_0^\delta \frac{\omega_p^q(f, t; a', b')}{t} dt < \infty \quad \text{holds for an arbitrary } [a', b'] \subset (a, b)$$

and an arbitrary $q \geq 1$, $0 < \delta \leq \delta_0$. If $f(x) \in L(0, 2\pi)$ and

$f(x) \in Z_q^{p, (a,b)}$ then $f(x) \in Z_{q; (0, 2\pi)}^{p, (a,b)}$. Let

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On local approximation of two

$$E_{n,p}(f; a, b) = \inf_{\{T_n\}} \|f - T_n\|_{(a,b)} \quad (0.6)$$

where T_n are trigonometric polynomials of at most order n . Let $\varphi \in \Phi_{n,1}$

$\varphi(x)$ does not monotonely decrease, $\varphi(x) > 0$, $\varphi(0)=0$, $0 < x < \infty$ (0.7)

$\varphi \in \Phi$ satisfies the conditions (Z), (B), (Z₁), (B₁), if

$$(Z) \int_0^x \frac{\varphi(t)}{t} dt = O\{\varphi(x)\}, \quad (B) \sum_{v=n+1}^{\infty} \frac{1}{v} \varphi\left(\frac{1}{v}\right) = O\left\{\varphi\left(\frac{1}{n}\right)\right\} \quad (0.8)$$

$$(Z_1) \int_0^{x_0} \frac{\varphi(t)}{t^2} dt = O\{\varphi(x)\}, \quad (B_1) \sum_{v=1}^n \varphi\left(\frac{1}{v}\right) = O\left\{\varphi\left(\frac{1}{n}\right)\right\} \quad (0.9)$$

$\varphi \in \Phi$ is called a majorant of the modul of continuity respectively of the best approximations, if

$$\omega_p(\delta) = O\{\varphi(\delta)\}, \quad 0 < \delta \leq \theta \delta_0, \quad \theta \neq 1 \quad (0.10)$$

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respectively

$$E_{n,p}(\varphi; a, b) = O\left\{\varphi\left(\frac{1}{n}\right)\right\} \quad (n = 1, 2, \dots) \quad (0.11)$$

holds. Assume that the notation $\omega_p(\delta) \sim \varphi(\delta)$ means that

$$A_1 \varphi(\delta) \leq \omega_p(\delta) \leq A_2 \varphi(\delta) \quad (0.12)$$

Let A, B, C, \dots be constants; A_f, B_f, C_f, \dots -- constants depending on f .

Let

$$\vartheta[f(x)] = \frac{a_0}{2} + \sum_{n=1}^{\infty} a_n \cos nx - b_n \sin nx; \quad (0.15)$$

$$\tilde{\vartheta}[f(x)] = \sum_{n=1}^{\infty} a_n \sin nx - b_n \cos nx; \quad (0.15')$$

$$\tilde{f}(x) = -\frac{1}{\pi} \int_0^{\pi} \psi(t) \frac{1}{2} \cotg \frac{t}{2} dt \quad (0.16)$$

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On local approximation of two

where $\psi(x, t) = f(x+t) - f(x-t)$.

Theorem 1: Let $f(x) \in L^p_{\omega_p}(a, b)$ ($1 \leq p \leq \infty$) (2.1). Then it holds

$$\| \tilde{f}(x) - \tilde{S}_{n, \omega_p}(x) \|_{L^p(a, b)} \leq \int_0^a \psi(x, \frac{t}{n}) \frac{\sin \frac{t}{2}}{t^2} dt \|_{(a, b)} \leq B_f^{(1)} \frac{1}{n} + B_f^{(2)} \omega_p(\frac{1}{n}), \quad (2.2)$$

where the constants are $B_f^{(k)} = B_f^{(k)}(a, a', b, b'; \|f\|_{L^p(a, b)})$, $k=1, 2$; then integer is $n \in \mathbb{N}_0 = \max \left\{ 2, \frac{4\pi}{\delta} \right\}$, δ -- arbitrary

constant, $0 < \omega_p \leq \omega_p \leq \pi$ and $\tilde{S}_{n, \omega_p}(x)$ -- n -th Fejér sum of the conjugate Fourier series of $f(x)$.

Theorem 2: Let

$$f(x) \in L^p_{\omega_p}(a, b) \quad 1 \leq p \leq \infty \quad (2.23)$$

Then it holds

$$\tilde{f}(x) \in L^p(a, b) \quad \text{and} \quad (2.24)$$

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On local approximation of two

$$\|f(x) - \sigma_{n,1}(x)\|_{(a,b)} \leq B_f \left\{ \omega_F\left(\frac{1}{n}\right) + \int_0^{1/n} \frac{\omega_F(t)}{t} dt \right\} \quad (2.30)$$

$$n \geq n_0, B_f = B_f(a, a; b, b; f)_{(a,b)}, \|f\|_{1,(0,2\pi)}$$

Theorem 1. Assume that $f(x)$ satisfies (2.1). Then it holds

$$\|f(x) - \sigma_{n,1}(x)\|_{(a,b)} \leq D_f \left\{ \omega_F\left(\frac{1}{n}\right) + \frac{1}{n} \int_0^{c_0} \frac{\omega_F(t)}{t^2} dt \right\} \quad (2.32)$$

where $\sigma_n(x)$ is an n -th Fejér sum of $f(x)$, $n \geq n_0 = \max \left\{ 2, \frac{\pi}{c_0} \right\}$.

Theorem 1. Let $f(x)$ satisfy the condition (2.1) and let

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On local approximation of two

$$E_{n,p}(f; a, b) = O \left\{ \varphi \left(\frac{1}{n} \right) \right\} \quad (n=1, 2, \dots), \quad (2.41)$$

where $\varphi \in \mathcal{D}$ satisfies the conditions (B) and (B₁). For arbitrary $[a', b'] \subset (a, b)$ then it holds:

$$\|f(x) - \tilde{\sigma}_{n,p}(x)\|_{(a', b')} = O \left\{ \varphi \left(\frac{1}{n} \right) \right\}, \quad n \geq n_0 \quad (2.42)$$

$$\|\tilde{f}(x) - \tilde{\sigma}_{n,p}(x)\|_{(a', b')} = O \left\{ \varphi \left(\frac{1}{n} \right) \right\} \quad n \geq N_0 \quad (2.43)$$

Theorem 2: Let $f(x)$ satisfy (2.1); let

$$E_{n,p}(f; a, b) = O \left\{ \varphi \left(\frac{1}{n} \right) \right\} \quad (n=1, 2, \dots), \quad \varphi(x) = x^\alpha \ln \frac{C}{x}, \quad (2.45)$$

If

$$0 < \alpha < 1, \quad 0 \leq \beta \leq (1-\alpha) \ln \frac{C}{\delta_0} - 1, \quad \delta_0 > \delta_0 \quad \text{or} \quad (2.46)$$

$$\alpha = 1, \quad \beta = 0 \quad (2.46')$$

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On local approximation of two . . .
for arbitrary $[a', b'] \subset (a, b)$ it holds then:

$$E_{n,p}(\tilde{f}; a', b') = O\left\{\varphi\left(\frac{1}{n}\right)\right\}, \quad (2.47)$$

where (2.47) in the case (2.46) holds for $n \geq N$ and in the case (2.46') for $n \geq N$, where N is sufficiently large.

Theorem 6: Let $f(x)$ satisfy (2.4). Then it holds

$$\|f(x) - U_n(x)\|_{(a, b')} \leq B_f \left\{ \frac{1}{n} + \omega_{2,p}\left(f, \frac{1}{n}; a', b'\right) \right\} \quad (2.51)$$

where the constant is $B_f = E_f(a, b'; \|f\|_{L(0, 2\pi)})$, $U_n(x)$ -- trigonometric Jackson sum of $f(x)$,

$$n \geq n_0 = \max \left\{ \left[\frac{4}{\delta} \right] + 1, \left[\frac{4}{\delta^2} \sqrt{2} \right] \right\}, \quad [a', b'] \subset (a, b) \text{ arbitrary.}$$

Theorem 7: Let

$$\|f(x)\|_{1n^r} \|f(x)\| \in L(0, 2\pi) \quad (2.63)$$

and

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On local approximation of two

$$f(x) = \begin{cases} L^F(a, b) & \text{for } p > 1 \\ Z^p(a, b) & \text{for } p = \infty \end{cases} \quad (2.64)$$

(2.64')

For arbitrary $[a'', b''] \subset (a, b)$ and a certain μ' then it holds

$$\|\tilde{f}(x) - \tilde{U}_n(x)\|_{(a'', b'')} \leq \tilde{E}_n \left\{ \frac{1}{n} + \omega_{2,p}(\tilde{f}, \frac{1}{n}; a'', b'') \right\}, \quad n \geq \mu', \quad (2.51')$$

where $\tilde{U}_n(x)$ is the Jackson sum of $\tilde{f}(x)$.

Theorem 3: Let

$$f(x) \in Z^p(a, b)_{(0, 2H)}, \quad 1 \leq p \leq \infty \quad (3.1)$$

For arbitrary $[a', b'] \subset (a, b)$ then it holds

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On local approximation of two

$$\begin{aligned} \omega_p(\tilde{f}, \delta; a'', b'') &= \\ &= 0 \left\{ \omega_p(f, \delta; a', b') + \int_0^{\delta} \frac{\omega_p(f, t; a', b')}{t} dt + \delta \int_0^{\delta_0} \frac{\omega_p(f, t; a', b')}{t^2} dt \right\} \quad (3.2) \\ [a'', b''] &\subset (a, b), \quad \delta \leq \delta_0 = \frac{1}{N_0} \end{aligned}$$

Theorem 9. Assume that $f(x)$ satisfies (2.1) and that it holds

$$\int_0^{\delta} \frac{\omega_p(f, t; a', b')}{t} \ln \frac{\lambda}{t} dt < \infty, \quad \lambda = \varepsilon \delta_0, \quad \delta \leq \delta_0 \quad (3.11)$$

For every $[a'', b''] \subset (a', b')$ then it holds

$$\tilde{f}(x) \in Z_{p, (a'', b'')} \quad (3.12)$$

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On local approximation of two

Theorem 10: Let

$$|f(x)| \leq 1, |f(x)| \in L(C, 2\pi) \quad (3.17)$$

$$f(x) \in L^p(a, b) \quad 1 \leq p \leq \infty \quad (3.18)$$

If for every $[a', b'] \subset (a, b)$ it holds

$$\omega_p(f, \delta; a', b') \sim \omega(\delta) \quad (1 \leq p \leq \infty) \quad (3.19)$$

where $\delta \in \Phi$ and satisfies the conditions (E) and (B₁), then
it holds

$$\omega_p(\tilde{f}, \delta; a'', b'') \sim \omega(\delta) \quad (3.20)$$

for $\delta \in \Phi$, $\delta = \frac{1}{N}$ and for every $[a'', b''] \subset (a', b')$

Theorem 11: Let

$$f(x) \in Z_{p; (0, 2\pi)}^{p, (a, b)} \quad 1 \leq p \leq 2 \quad (4.1)$$

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On local approximation of two

The series $\sigma[f(x)]$ and $\tilde{\sigma}[f(x)]$ then converge almost everywhere in (a,b)

Theorem 12: Let

$$f(x) \in L_{1,(0,2\pi)}^{p,(a,b)} \quad (1 \leq p \leq 2) \quad \text{and} \quad (4.7)$$

$$E_{\nu,p}(f; a,b) = O \left\{ \varphi \left(\frac{1}{\nu} \right) \right\} \quad (\nu = 1, 2, \dots) \quad (4.8)$$

where

$$\varphi \in \Phi \text{ and } \sum_{\nu=1}^{\infty} \frac{1}{\nu} \varphi \left(\frac{1}{\nu} \right) < \infty \quad (4.9)$$

Then $\sigma[f(x)]$ and $\tilde{\sigma}[f(x)]$ converge almost everywhere on (a,b) .

The author mentions N. K. Bari, S. B. Stechkin, A. F. Timan, M. F. Timan and P. L. Ul'yanov.

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On local approximation of two

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ASSOCIATED: Under geophysical & seismology, AF Turkmenov SSR (Division of Geophysics and Seismology, AF Turkmen SSR.)

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NO REF SOT: 012

OTHER: 000

Card. 2/2

GOLIROVSKIY, S.D.

Card Med Sci

Dessertation: "Presacral Novocaine Block."

10 May 49

Central Inst for the Advanced Training of Physcians

SO Vecheryaya Moskva
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Rocket investigations in the Upper Atmosphere in the USSR

Report to be submitted for the 4th International Space Science Symposium
(COSPAR) Warsaw, 2-12 June 63

British Abst.

A III

Aug. 1953

Biochemistry of Micro-Organisms,
Including Fungi

(2)

Effect of catalase on the oxidation of sorbitol by ketogenic micro-organisms. F. D. Mokkidi and M. G. Gokhena (*Prichina* 1953, 17, 91-96). *Desulfohalobium* and *M. suboxydum* were grown on a medium consisting of aut lysed baker's yeast with 12% of sorbitol. Addition of catalase prep. (made from liver and blood to the heat sterilized medium) caused increase in the rate of sorbitol oxidation. The rate of sorbitol oxidation of catalol. This relation is evident in the formation of H_2O_2 in the reaction of catalase with sorbitol. The rate of sorbitol oxidation the H_2O_2 formed was inhibited by addition of the enzyme. D. H. Soren.

~~and 1954, 1955, 1956, and 1957, 1958.~~

Influence of the conditions of cultivation on the development of the microorganism.

Mikrobiologiya. Vol. 1, 1957. 4/1/57

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A. Zheliazkov.

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CHOJEGKA, Barbara; GOLISZEK, Janina; KURZEPA, Stanislaw; LESINSKI, Jan;
SAMOJLIK, Eugeniusz

Studies on the level of urinary 5-hydroxyindolacetic acid in women with
and without previous psychoprophylactic preparation in labor. Polski
tygod. lek. 16 no.11:383-385 13 Mr '61.

1. Z Kliniki Ginekologiczno-Polozniczej; kierownik: prof. dr J. Lesinski
i Zakladu Farmakologii; p.o. kierownik: dr St. Kurzepa, Instytutu Matki
i Dziecka; dyrektor: prof. dr F. Groer.

(INDOLACETIC ACID urine) (LABOR urine)

GOLISZEK, Janina; FIJALKOWSKI, Włodzimierz

Psycho-analgesia according to survey material, Gln.polska 32 no.1:
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1. Z III Kliniki Położnictwa i Chorob Kobietych AM w Warszawie
Kierownik: prof. dr med. J. Lesiński. Z II Kliniki Położnictwa i
Chorob Kobietych AM w Łodzi Kierownik: prof. dr med. S. Krzysztoporski.

(LABOR)

SUMMARY

CHMIELEWSKA, E. Dr., GOLISZEK, J. Dr., KURCZAK, J. Dr., LESINSKI, E. Dr.,
SAMOCHLIK, E. Dr.: Obstetrical and Gynecological Clinic and Department
for Pharmacological Research; Institute for Maternity and Infant Care
(Instytut i Klinika i Zaklad Badawczy i Leczniczy dla Matki i Dziecka; Anya
es Oczekiwano Interes). Warsaw.

"5-Hydroxy-Indole-Acetic Acid Excretion of Maternity Patients Unprepared
and Prepared by Psychoprophylactic Methods."

Biuletyn, Orwoski Hetilap, Vol 103, No 46, 18 Nov 67, pages 2175-2177.

Abstract: [Authors' summary] Psychoprophylactic preparation, by its
effect on the central nervous system, resulted in a change in serotonin
metabolism. It seemed that the excretion of 5-HIAA was proportional to
the success of the psychoprophylactic preparation. Post partum, there
was no significant difference between the 5-HIAA values of the prepared
and control patients. Determination of 5-HIAA excretion can be used for
the evaluation of success of the psychoprophylactic preparation.

[This paper is published as part of an exchange program, from the
Polish Gynecological Society.]

1 of the references are Western, 2 Soviet-bloc;
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Use of curare in gynecological surgery. Gin. polska 28 no.3:
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Kierownik: prof. dr. J. Lesinski. Adres autora: Warszawa,
Madalińskiego 25.

(GENITALIA, FEMALE, surg.

use of curare, admin. & contraindic. (Pol))

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Problems of the protection of surface waters in Poland. . . 24

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Technique Sanitaire, Agriculture et Industrie) Warszawa, Poland
Vol. 22, no. 5, May 1953

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GOLISZEWSKI, Jerzy, mgr., inz.

The present state of surface water pollution in Poland. Gosp wodna 21
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GOLISZEWSKI, Jerzy, mgr., inż.; MICHNIEWICZ, Marian, mgr., inż.; RYLL, Jerzy,
mgr., inż.

Sewage purification of the Capital City of Warsaw. Gosp. wodna 21 no.10:
457-461 0 '61.

GOLISZEWSKI, Jerzy, mgr inż.

Problem of purifying the sewage of the city of Warsaw and the
complex economic utilization of the waters of the Vistula River.
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POLAND

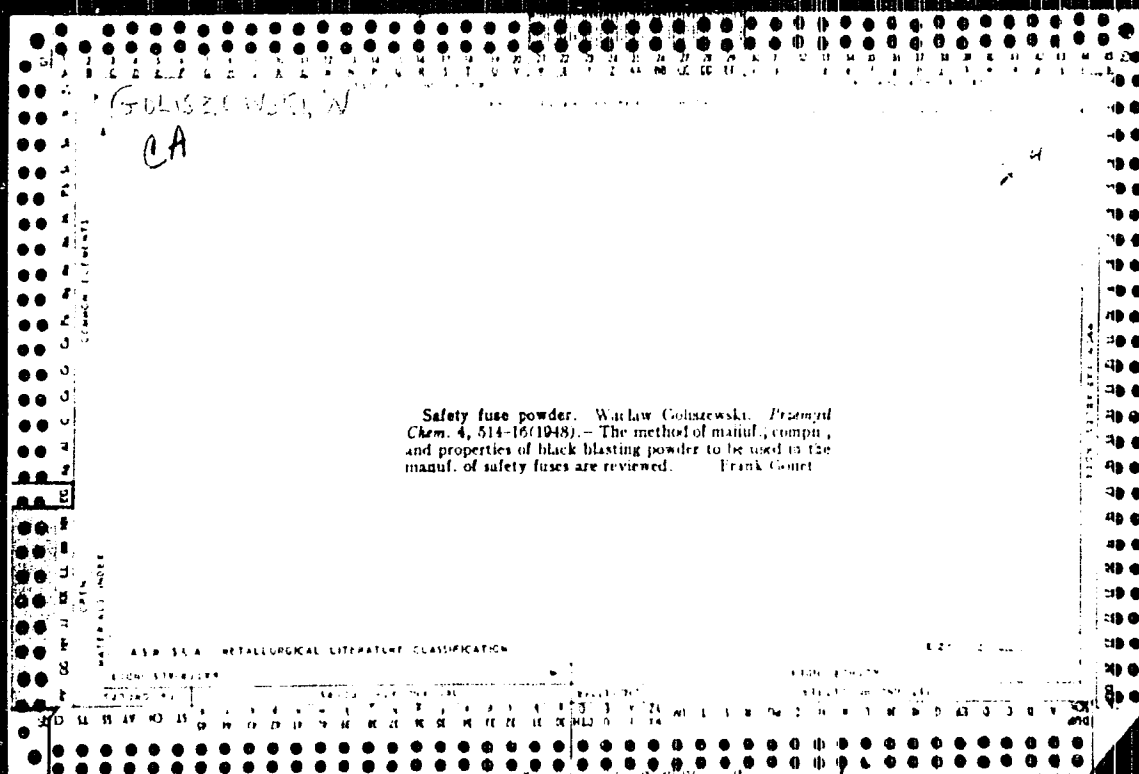
GOLISZEWSKI, Kazimierz, Wojewodzтво Department of Veterinary Hygiene (Wojewodzki Zaklad Higieny Weterynaryjnej) in Katowice (Director: Prof. Dr. Jerzy SZAFLANSKI)

"Location of Bovine Trichomonas in the Urogenital Organ of Bulls."

Warsaw-Lublin, Medycyna Weterynaryjna, Vol. 20, No. 7, Jul 67, p. 395

Abstract: Culture determinations from various parts of the urogenital tract of infected bulls confirmed the fact that trichomonas may penetrate beyond the preputium. Determination of the location of the parasite is important to the selection of treatment procedure. Article shows one diagram and one table. There are 10 references: 3 each Polish and Western, 1 German, and 2 Soviet.

(1/1)



VARENIK, M.A., inzh.; GOLITENKO, M.M., inzh.

Parachute unit for hoisting with friction pulleys. Bezop. truda
v prom. 3 no.6:28-29 Je '59. (MIRA 12:10)
(Mine hoisting)

NAUMOV, Georgiy Karpovich, kand. ekon. nauk; KONAPEV, Nikolay
Semenovich, inzh.; SILAYEV, Nikolay Ivanovich, kand. ekon.
nauk dots.; FERAPONTOV, Gennadiy Viktorovich, inzh.;
CHERNUKHA, Nikolay Timofeyevich, inzh.; GOLITSIN, Boris
Vasil'yevich, inzh.; KRIMNUS, Grigoriy Kharitonovich, kand.
ekon. nauk, dots.; KOLJUNOVA, M.P., rad.

[Economics of railroad freight transportation. Ekonomika gruz-
zovogo khoziaistva zheleznnykh dorog. Moskva, Transport,
1965. 238 p. (MIRA 18:12)]

GOLITSIN, M.F.; KONANEROV, M.K.

Replacing metal lining of the elevator shaft with wood-lined sections. Sbor. rats. predl. vnedr. v proizvod. no.2:17 '61.

(MIRA 14:7)

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(Elevators—Maintenance and repair)

GOLITSIN, S.V.

Forest coverage of the Central Chernozem region. Biol. MSIP. Otd. b1, p1.
68 no.2:130-133 Mr-Apr '63. (MIRA 17:2)

ACCESSION NR: AP4042337

S/0138/64/000/007/0007/0010

AUTHOR: Rumyantseva, Z. M., Golitsina, A. A., Farberov, M. A., Epshteyn, V. G., Lazaryants, E. G., Yemel'yanov, D. P., Kosmodem'yanskiy, L. V.

TITLE: Synthesis and use of butadiene methacrolein latexes

SOURCE: Kauchuk i rezina, no. 7, 1964, 7-10

TOPIC TAGS: tire manufacture, tire cord saturation compound, saturated cord bond strength, latex containing saturation compound, latex SKMA-2, butadiene methacrolein latex, aldehyde group content, polymerization process, latex synthesis, rubber SKS-30 AM, rubber NK, synthetic rubber, SBR rubber

ABSTRACT: Latexes were synthesized by copolymerization of butadiene and methacrolein at 5C in acid (pH 2.5-3.5) and alkaline (pH 10.0-10.5) media, with methacrolein in the initial emulsion varying from 1 to 30 parts by weight (recipes given). Conversion levels of 70% were attained and the kinetics of the process are described in detail. Compounds of the synthesized latexes with resorcinol-formaldehyde (RF) or glycol-resorcinol formaldehyde (FR-12) resins (12 parts by weight of resin per 100 parts of polymer) were used to saturate tire cords. The cords were then tested by multiple deformation, static peeling and N methods for the strength of their bond to resins from NK, SKB and SKS-30

Card 1/2

ACCESSION NR: AP4042337

AM rubbers. It was found that bond strength depends on the content of aldehyde groups in the latex and was best for a monomer mixture with 20% methacrolein by weight. Polymerization at 5C, a conversion level of 70%, Defo hardness levels of 1500 to 3000 g and the use of a rosin soap as an emulsifier promoted bond strength. Comparative evaluation of the synthesized latex, named SKMA-3, indicated it to be superior in bond strength over compounds based on carboxyl containing and vinyl pyridine latexes. Orig. art. has: 4 tables and 2 graphs.

ASSOCIATION: Nauchno-issledovatel'skiy institut monomerov dlya sinteticheskogo kauchuka (Scientific Research Institute for Synthetic Rubber Monomers); Yaroslavskiy tekhnologicheskii institut (Yaroslav Technological Institute); Yaroslavskiy shunny'y zavod (Yaroslav Tire Factory)

SUBMITTED: 00

ENCL: 00

SUB CODE: MT

NO REF SOV: 010

OTHER: 003

Card 2/2

GOLITSINA, L.P. (Kazan')

Acute infectious psychoses in forensic psychiatric practice.
Prak.sudebnopsikh.ekspert. no.5:21-28 '61. (MIRA 16:4)
(PSYCHOSES) (FORENSIC PSYCHIATRY)

GOLITSINSKIY, D.A.

[Ivan Vladimirovich Michurin, his life and activities] Ivan Vladimirovich Michurin, ego zhizn' i deiatel'nost'. Gorki, Izd. Belorusskoi sel'khoz. akademii, 1950. 34 p. (MIRA 14:8)
(Michurin, Ivan Vladimirovich, 1855-1935)